

**EVENT MANAGEMENT IN A SYSTEM WITH SEPARATE APPLICATION
AND GRAPHICAL USER INTERFACE PROCESSING****ABSTRACT OF THE DISCLOSURE**

A network-based system is provided in which application logic and business
5 rules reside on a server to which a user attaches from a client machine. The system
includes a view manager residing on the client machine for generating a graphical
user interface (GUI) environment for the user. An application engine resides on the
server for controlling the view manager. Events in an event queue at the client
machine are parsed to determine which events require application processing.

10 Events requiring application processing are sent to the server and other events are
left in the event queue. The system also maintains stack synchronization between
the client machine and the server.